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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/643,864

08/20/2003

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8046-1041

5195

466 7590 07/27/2007
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EXAMINER

BROWN, CHRISTOPHER J

ART UNIT

PAPER NUMBER

2134

MAIL DATE

DELIVERY MODE

07/27/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/643,864	Applicant(s) NAKAE ET AL.	
	Examiner Christopher J. Brown	Art Unit 2134	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 April 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13 and 59 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,2,5,6 and 59 is/are rejected.
- 7) ☒ Claim(s) 3,4,7-13 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>11/19/03, 10/7/05</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION***Information Disclosure Statement***

The information disclosure statement filed 11/19/03, and 10/07/05 fails to comply with the provisions of 37 CFR 1.97, 1.98 and MPEP § 609 because there is no English translation. It has been placed in the application file, but the information referred to therein has not been considered as to the merits. Applicant is advised that the date of any re-submission of any item of information contained in this information disclosure statement or the submission of any missing element(s) will be the date of submission for purposes of determining compliance with the requirements based on the time of filing the statement, including all certification requirements for statements under 37 CFR 1.97(e). See MPEP § 609.05(a).

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 59 recites the limitation "the attack detector" in line 16. There is insufficient antecedent basis for this limitation in the claim. The examiner suggests inserting a paragraph along the lines of claim 1 stating "an attack detector for detecting presence or absence...".

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, and 59 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lachman III US 2002/0166063 in view of Sheymov US 7,010,698.

As per claims 1, and 59 Lachman teaches an attack defending system provided at an interface between an internal network (host network) and an external network (internet), comprising a decoy device and a firewall device (Uplink Router), wherein the firewall device inputs an input IP packet from the external network and forwards it to one of the decoy device (Host router) and the internal network (Host Server, ANT Surveillance System),

the firewall device comprises: a packet filter for determining whether the input IP packet inputted from the external network is to be accepted, based on header information of the input IP packet (filter with source address of packet) [0125] and a filtering condition corresponding to the input IP packet; a destination selector for selecting one of the internal network (Host Server) and the decoy device as a destination of the input IP packet accepted by the packet filter, based on the header information of the input IP packet and a distribution condition; and

Art Unit: 2134

a filtering condition manager for managing the filtering condition depending on whether the attack detector detects an attack based on the input IP packet forwarded to the decoy device (Updates ACL based on attack detection).

Lachman III fails to teach a decoy device that comprises an attack detector.

Sheymov teaches wherein the decoy device comprises: an attack detector for detecting presence or absence of an attack by executing a service process for the input IP packet transferred from the firewall device, (Dynamic Decoy Device with Sensor Module to detect attacks) (Col 8 lines 4-8).

It would have been obvious to one of ordinary skill in the art to use the attack detection decoy of Sheymov with the system of Lachman III because it removes the need for additional attack detection devices thus lowering cost.

As per claim 2 Lachman III teaches attack defending system according to claim 1, wherein the header information of an input IP packet includes at least one of a source IP address and a destination IP address thereof (It is well known TCP/IP packets contain source and destination IP addresses in the header), wherein the destination selector selects a destination of the input IP packet depending on whether the header information of the input IP packet satisfies the distribution condition (based on an access control list of source and IP addresses) [0125], [0133], [0135].

As per claim 5, Lachman III teaches the attack defending system according to claim 1, wherein the firewall device further comprises: a distribution condition updating section for updating the distribution condition depending on whether the

Art Unit: 2134

attack detector detects an attack based on the input IP packet transferred to the decoy device (Offensive Countermeasure Server updates router) [0076], [0116].

As per claim 6, Lachman III teaches the attack defending system according to claim 1, wherein the filtering condition manager stores the filtering condition with a limited validity period, (specified time) [0125] which corresponds to the header information of the input IP packet (access control list) forwarded to the decoy device, wherein, when the limited validity period has elapsed, a default filtering condition is returned to the packet filter.

Allowable Subject Matter

Claims 3, 4, and 7-13 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher J. Brown whose telephone number is (571)272-3833. The examiner can normally be reached on 8:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kambiz Zand can be reached on (571)272-3811. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be

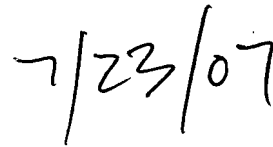
Art Unit: 2134

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Christopher J. Brown

7/23/07

A handwritten signature in black ink that reads "Christopher J. Brown". The signature is written in a cursive style with a long horizontal stroke at the end.A handwritten date in black ink that reads "7/23/07". The date is written in a cursive style with the month and day separated by a slash.